

**Amendments to the Specification:**

Please replace paragraph [2] with the following amended

[2] Fogging is caused by condensed water vapor collecting on a glass surface due to the difference in temperature between the glass and the adjacent air. Air in contact with the inside ~~surface of the~~ windshield and side window surfaces will be thus cool down ~~through contact with the glass~~, the cooling of this air reduces its ability to retain moisture, and thus the moisture that is released condenses on the inside ~~surface of the~~ windshield and side windows surfaces. There are two different climate conditions in which fogging of the windshield and side windows occurs even though the automobile may have an adequate ventilation system. First, in a cold climate, it occurs when the ~~inside~~ temperature of inside the automobile differs significantly from the ~~outside~~ temperature outside. Secondly, in a wet climate such as a rainy day, it occurs when air humidity inside the automobile is very high and the rain and wind keep the windshield and side windows ~~much~~ cooler than air inside the automobile. When fogging of the windshield and side windows occurs, it significantly reduces the driver visibility through the windshield and side windows, greatly increases the risk of traffic accidents.

Please replace paragraph [3] with the following amended

[3] Also, in a cold climate, an automobile cannot be operated until the ice accumulated on the windshield is melted and removed. To melt the ice, ~~a fairly long time is required~~ it requires time to preheat the automobile interior space.

Please replace paragraph [4] with the following amended

Currently, there is ~~not known~~ a simple and economic approach that can effectively address the driving safety concern related to fogging of the windshield and side windows in a wet or cold climate. On the other hand, there is ~~also not known~~ a simple, economic and effective way to quickly melt the ice accumulated on the windshield in a cold climate. Therefore, it is the objective of the present invention to create a simple and economic solution to address the above issues effectively so that automobile industry will adapt the

solution to make driving safer and easier. The characteristics of the present invention will become apparent in light of the present specification, including claims, and drawings.

Please replace paragraph [6] with the following amended

[6] Another object of the present invention is to speed up ~~the windshield ice melting ice~~ accumulated on the windshield in a cold climate so that an automobile can be operated ~~almost immediately~~ soon after the automobile engine warmed up.

Please replace paragraph [8] with the following amended

[8] According to the present invention, the windshield heating air appliances and dashboard air vent cover ~~is are~~ are made of transparent plastic or other transparent material as Figure 1, ~~and Figure 2~~ Figure 12, and Figure 14 illustrated. The windshield, windshield heating air appliance, and either the dashboard or dashboard air vent cover form a complete assembly henceforth referred as the "controlled heating air space" that is shown in Figure 9 ~~7~~ and Figure 15. The controlled heating air space can be quickly heated, and the windshield surface can be maintained at an optimal temperature to prevent fogging of the windshield in a wet or cold climate, reducing the time required to melt ~~the~~ ice accumulated on the windshield in a cold climate.

Please replace paragraph [9] with the following amended

According to the present invention, the front side window cover is made of transparent plastic or other transparent material as Figure 23 18 and Figure 24 19 illustrate; since air is a poor thermal conductor, an additional insulation layer, formed by the front side window cover and air inside of the front side window cover, keeps the front side window cover temperature close to the temperature of the internal automobile; therefore, effectively reduces fogging of the front side windows in a wet or cold climate.

Please replace paragraph [10] with the following amended

[10] The present invention has the following five major advantages:

- It provides a single solution to address multiple issues ~~problems~~, which includes preventing fogging of the windshield, reducing fogging of the front side windows, and reducing time required to melt ice accumulated on the windshield.
- The windshield heating air appliance and front side window covers are inexpensive.
- It does not require any change in the automobile design.
- It does not consume automobile ~~internal~~ passenger compartment usable room.
- Its installation is simple and easy.

Please replace paragraph [12] with the following amended

[12] Figure 1 shows a front view from the outside of the automobile first windshield heating air appliance; Angle B of the dashboard support and the length of edges X and Y may vary based on size and position of the air vents. The windshield heating air appliance is attached to the windshield surface through the top, left, right and bottom ~~T~~ edges.

Please replace paragraph [13] with the following amended

[13] Figure 2 shows a back view from the inside of the automobile first windshield heating air appliance; the dashboard support edges are ~~is~~ attached to the dashboard surface.

Please replace paragraph [14] with the following amended

[14] Figure 3 shows a front view ~~from the outside of the~~ first windshield heating air appliance, automobile; the dashboard air vents are located between the windshield and windshield heating air appliance ~~is shown at the bottom.~~

Please replace paragraph [15] with the following amended

[15] Figure 4 shows a back view ~~from the outside of the~~ first windshield heating air appliance, automobile; the dashboard air vents are located between the windshield and windshield heating air appliance ~~is shown at the bottom.~~

Please replace paragraph [16] with the following amended

[16] Figure 5 shows ~~a view from the outside of the automobile; the dashboard and the air vents are shown at the bottom~~ shaded surfaces of the first windshield heating air appliance which are designed to be attached to the windshield surface.

Please replace paragraph [17] with the following amended

[17] Figure 6 shows ~~a view from the outside of the automobile; the dashboard and the air vents are shown at the bottom~~ shaded dashboard support edge surfaces which are designed to be attached to the dashboard surface.

Please replace paragraph [18] with the following amended

[18] Figure 7 shows ~~shaded surfaces of the windshield heating air appliance are designed to attach to the windshield surface~~ that the windshield surface is represented by the solid thick line, the first windshield heating air appliance surface is represented by the thin dashed line, the dashboard surface is represented by hatched lines at the bottom of the figure; this completes an assembly referred as controlled heating air space which consumes less than 2% of the entire automobile passenger compartment.

Please replace paragraph [19] with the following amended

[19] Figure 8 shows ~~the bottom surface of the shaded portion is designed to attach to the dashboard surface.~~ a front view of the first windshield heating air appliance with a rear view mirror base path on the top.

Please replace paragraph [20] with the following amended

[20] Figure 9 shows a back view of the first windshield heating air appliance with a rear view mirror base path on the top. ~~that the windshield surface is represented by the solid thick line; the windshield heating air appliance surfaces are represented by the dashed~~

~~line; the dashboard surface is represented by hatched lines at the bottom of the figure; this completes the assembly referred as the "controlled heating air space", which consumes less than 3% of the entire automobile interior space.~~

Please replace paragraph [21] with the following amended

[21] Figure 10 shows a view of the first windshield heating air appliance with L edges.  
~~that a windshield tinting device is shown in A; the windshield tinting plastic is attached to a hard handle on the right as shown in B; two handle holders attached to the windshield heating air appliance shown in C are used to lock the windshield tinting plastic handle.~~

Please replace paragraph [22] with the following amended

[22] Figure 11 shows that the first windshield heating air appliance composed of two symmetric parts, which are joined together during the installation, to facilitate shipping.  
~~another type of windshield tinting plastic that has a series of holes located around its edges through which the windshield tinting plastic is mounted on the windshield heating air appliance.~~

Please replace paragraph [23] with the following amended

[23] Figure 12 shows ~~a windshield heating air appliance with two windshield tinting plastics; two shaded surfaces represent two windshield tinting plastics pulled out from the two windshield tinting devices.~~

Please replace paragraph [24] with the following amended

[24] Figure 13 shows a back view of the second windshield heating air appliance design,  
which has L edges on all four sides and a pipe connector on its bottom.  
~~a windshield heating air appliance with a series of transparent plastic hollow columns that are mounts for installing windshield tinting plastics as shown in Figure 11.~~

Please replace paragraph [25] with the following amended

[25] Figure 14 shows a view of the dashboard air vent cover with a male pipe connector; the dashboard air vent cover is a part of the second windshield heating air appliance, its male pipe connector joins the female pipe connector from the windshield heating air appliance to supply heated air for the controlled heating air space. ~~a windshield heating air appliance with two windshield tinting plastics shown as shaded surfaces.~~

Please replace paragraph [26] with the following amended

[26] Figure 15 shows that the windshield and second windshield heating air appliance together assemble a controlled heating air space which consumes less than 1% of the entire automobile passenger compartment; thin dashed lines represent the windshield heating air appliance surface, thick dashed lines represent the windshield surface; the female pipe connector from the second windshield heating air appliance joins the male pipe connector from the dashboard air vent cover to provide heated air for the controlled heating air space. ~~a view from the outside of the automobile; a rear view mirror base path is shown on the top.~~

Please replace paragraph [27] with the following amended

[27] Figure 16 shows T edge sizes for the first windshield heating air appliance, where T edge height is 1.5 inches and T edge width is 1.0 inches, the dashboard support edge size is 0.8 inches wide ~~a view from the inside of the automobile, a rear view mirror base path is shown on the top.~~

Please replace paragraph [28] with the following amended

[28] Figure 17 shows L edge sizes for both windshield heating air appliances, where the height is 1.5 inches and the width is 0.8 inches ~~a left view from the outside of the automobile.~~

Please replace paragraph [29] with the following amended

[29] Figure 18 shows a view of the front side window cove ~~a different left view from the outside of the automobile.~~

Please replace paragraph [30] with the following amended

[30] Figure 19 shows an isometric view of the front side window cover ~~a windshield heating air appliance-related T edge sizes where the height is 1.5 inches and the width is 1.0 inches; the dashboard support edge size is 0.8 inches wide~~

Please replace paragraph [31] with the following amended

[31] Figure 20 shows edge sizes of the front side window cover ~~the windshield heating air appliance L edge sizes where the height is 1.5 inches and the width is 0.8 inches.~~

Please replace paragraph [32] with the following amended

[32] Figure 21 shows a view of the first windshield heating air appliance equipped with two windshield-tinting plastics; two shaded surfaces represent two windshield-tinting plastics pulled out from the two windshield-tinting devices ~~the windshield heating air appliance having L edges rather than T edges.~~

Please replace paragraph [33] with the following amended

[33] Figure 22 shows that a windshield-tinting device is shown in A; the windshield-tinting plastic is attached to a hard handle on the right as shown in B; two handle holders attached to the windshield heating air appliance shown in C are used to lock the windshield-tinting plastic handle ~~that the windshield heating air appliance composed of two symmetric parts, which are joined together during the installation, to facilitate shipping.~~

Please replace paragraph [34] with the following amended

[34] Figure 23 shows an isometric view of the windshield heating air appliance ~~a front view of the typical front side window cover.~~

Please remove paragraph [35] and [36]

~~[35] Figure 24 shows an isometric view of the typical front side window cover.~~

~~[36] Figure 25 shows edge sizes of the typical front side window cover.~~

Please replace paragraph [37] with the following amended

[37] According to the present invention, the windshield heating air appliances ~~is~~ are made of the transparent plastic or other transparent materials. For the windshield heating air appliance in Figure 1, the top, left, right and bottom shaded edges in Figure 5 ~~T or L edges of the windshield heating air appliance~~ are designed to be attached to the windshield, ~~as shown in the shaded surfaces of Figure 7.~~ the shaded dashboard support edges in Figure 6 ~~are~~ is designed to be attached to the dashboard; ~~as shown by the shaded surface in Figure 8.~~ Figure 19 illustrates the dimensions of the T edge to be 1.5 inches tall and 1.0 inch wide and dashboard support edge to be 0.8 inches wide. Figure 20 illustrates the dimensions of the L edge to be 1.5 inches tall and 0.8 inches wide. ~~Figure 5 and Figure 6 show the dashboard air vents in Figure 3 and Figure 4 are located between the windshield and the~~ first windshield heating air appliance; the windshield, the windshield heating air appliance, and the dashboard form a complete assembly henceforth referred as the "controlled heating air space". For the windshield heating air appliance in Figure 12, its top, bottom, left and right L edges are designed to be attached to the windshield; its female connector is designed to join the male connector on the dashboard air vent cover to obtain hot air supplied; the windshield, windshield heating air appliance, and dashboard air vent cover assemble a controlled heating air space. in which the Utilizing heated air supply from the dashboard air vents, air in the controlled heating



air space can be quickly heated up, and the internal windshield surface can be maintained at an optimal temperature; ~~through hot air supplied by the dashboard air vents. Thus, the moisture in the air is evaporated instantly, can no longer form a foggy layer on the windshield and windshield heating air appliance. This thus the heated windshield surface no longer causes the adjacent air reducing ability to retain moisture, prevents fogging of windshield,~~ ensures the best ~~driver~~ driving visibility in a wet or cold climate.

Please replace paragraph [38] with the following amended

[38] Furthermore, "controlled heating air space" can maintain the windshield surface air at a relative high temperature in a cold climate, which can prevent a windshield from a dangerous "flash freeze" situation which may occur when water at or near freezing point strikes a relatively cool windshield while it is in motion, such as when cold water is splashed up onto a car windshield by a passing tractor-trailer.

Please replace paragraph [40] with the following amended

[40] When an automobile is parked in a parking lot or on the street in a cold climate, the normal practice to melt ice on the windshield is to preheat the automobile passenger compartment interior space ~~which takes fairly long time~~. Since the "controlled heating air space" consumes less than 23% of an automobile passenger compartment interior space, it takes much less time to heat up the "controlled heating air space" compared to the entire automobile passenger compartment interior space; ~~A~~ thus shorter time to melt the ice accumulated on the windshield saves time and reduces pollution.

Please remove paragraph [42]

~~[42] Another windshield tinting plastic design is shown in Figure 11. Each plastic windshield surface has a series of holes spreading on its edges, the windshield heating air appliance has a series of hollow columns as shown in Figure 13. The columns are used as mounts for corresponding windshield tinting plastics. Figure 12 shows the windshield heating air appliance with two windshield tinting device.~~

Please replace paragraph [49] with the following amended

[49] The windshield heating air appliances are ~~is~~ designed to keep the heated air in an a ~~relatively isolated area referred as space called the~~ “controlled heating air space” that is formed by the windshield heating air appliance, the windshield and either the dashboard or the dashboard air vent cover. The “controlled heating air space” consumes less than 23% of the automobile passenger compartment; thus air in the controlled heating air space interior space so that space can be quickly heated up, and the windshield surface can be temperature maintained at an optimal temperature to prevent fogging of the windshield and reduce the time ~~required~~ to melt the ice accumulated on the windshield ~~in a wet or cold climate~~.